

**The compact X-ray scanner with big detection capabilities that meets the demands of most mailroom situations whilst maximising space.**

The very latest generation TR15-CT4 cabinet scanner from Todd Research provides a new benchmark of threat detection and image management for compact cabinet scanners. At the heart of the TR15-CT4 is a complete new software platform, managing the functionality and an intuitive user interface via a 22-inch touch screen monitor. The smart card login means the TR15-CT4 can be configured to enable data collection of individual user sessions further enhancing the effectiveness of the operators.

With its small footprint low maintenance costs and a host of detection features, the TR15-CT4 is the scanning solution of choice.

## TR15-CT4

### Mid Size Cabinet X-ray Scanner



High quality **digital camera** and enhanced X-ray generator delivers superior image quality for greater detection.

**Image storage** locally or onto an external hard drive or network for easy reference and verification.

Operators are **assigned a login**, management can map who is using the scanner and when.

**One touch e mail function** enables escalation of potential suspect images to security professionals.

Enhanced EPD™ software allows greater **recognition of "powder" threats**.



**User friendly** touch screen interface providing access to all enhancement tools enabling rapid image processing.

**All user data**, date, operator's login, name, session time, No of exposures made, log off time etc are captured in the Microsoft Access™ database.

**3 point density alert**, Operator can define the elements of a 'suspect devices' such as metal components e.g. detonators & batteries.

**Compliance** with Ionising Radiation Regulations 1999 (IRR1999).

**High Definition imaging for the detection of IEDs, Powder Threats and Weapons sent via the mail.**

Threat from suspect devices is not exclusive to any one sector, consequently over many years Todd Research has built an enviable reputation partnering with organisations as diverse as Government, Embassies, Global Banking, Pharmaceutical, Oil & Gas, Legal, Media, Facilities Management, Retail and many more.

## Features and Benefits

| Feature                               | Benefit   |
|---------------------------------------|---|
| <b>Image Enhancement</b>              |   |
| EPD™ Enhanced Powder Detection        | Heightened ability to identify threats conveyed via powder based elements.                            |
| Digital camera and powerful generator | Hi resolution images with increase ability to detect.   |
| Negative Image Function               | Identity of high density materials. e.g. (metal) shown up white against a black background.           |
| High Density Alert                    | Aids identification of materials such a plastic explosives.   |
| Medium Density Alert                  | Identification of materials such as alloys & mild steel.  |
| 3 Point Density Alert                 | Elements of a 'suspect devices' metal components e.g. detonators & batteries are more easily defined. |
| <b>Operating System</b>               |   |
| Smart Card login                      | Designated access with record of all operator sessions.   |
| Touch screen interface                | Quickly selection of tools for rapid verification that objects are "Safe or Suspect."                 |
| Session data                          | Manage operator usage and record of suspect items.  |
| Administrator Function                | Levels of access and functionality can be set by Administrator.                                       |
| <b>Image Storage &amp; Sharing</b>    |   |
| Print/Export images                   | A hard copy library can be created as reference or images can be shared.                              |
| Automatic Image archiving             | Cross reference and accelerated referral to security personnel  |
| One Touch Email Function              | Enables escalation process images to be shared across departments.                                    |

## Product Specification

### Image and Unit Performance

- Touch Screen LCB 22" Monitor
- Image Resolution 1910 x 1080 pixels
- Wire Resolution: 36AWG
- Steel Penetration: 3mm

### X-ray Generator

- Anode Voltage 90kV

### Operating Requirements & Environment

- Power Requirement: 240v/110v, 50/60Hz, 1000W
- Operating Temperature: 0 to +40°C
- Storage Temperature: -15°C to +50°C
- Relative Humidity: 85% non condensing
- Supplied with 1.5m power cable

### Health & Safety and Compliance

- All Todd Research equipment complies with applicable International Health & Safety regulations
- Leakage dose at outer surface <1.0µSv/h as specified in Ionising Radiation Regulations 1999 (IRR1999)
- Complies with European Directive 93/68/EEC
- Twin circuit electro-magnetic safety interlocks to BS EN 60204-1

### Optional Extras

- Inkjet Printer
- Monitor Stand
- Cabinet Test Piece (CTP)
- External Uninterrupted Power Supply (UPS)



## General Dimensions – TR15-CT4

### Cabinet

Height: 1504mm  
Width: 455mm  
Depth: 670mm  
Net Weight: 160kg

### Image Area

Width: 409mm  
Depth: 547mm

### Inspection Chamber

Height: 540mm  
Width: 448mm  
Depth: 586mm

### Door Opening

Height: 535mm  
Width: 370mm

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